

**MERCEDES-
BENZ**



SSK

MERCEDES-BENZ SPECIAL COMPRESSOR SPORT MODEL "SSK" (7,1 LITER - MODEL 710 SHORT)

In the last few years, Mercedes-Benz Compressor Sport cars have earned world-wide fame by their outstanding success in sport events as well as by their performance as the preferred touring car of the owner-driver everywhere. With its triple victory in the Great Prize of Germany of 1928 over the best makes of the world, this Mercedes-Benz creation gives new proof that it really represents "the last word in automobile design and construction".

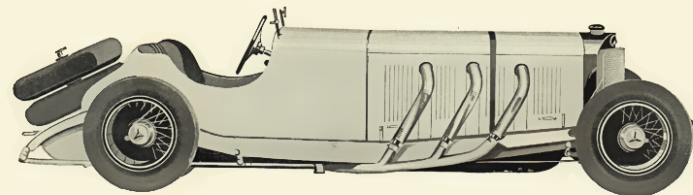
Our Special Compressor Sport model is now available with a shorter chassis, known as

MODEL "SSK".

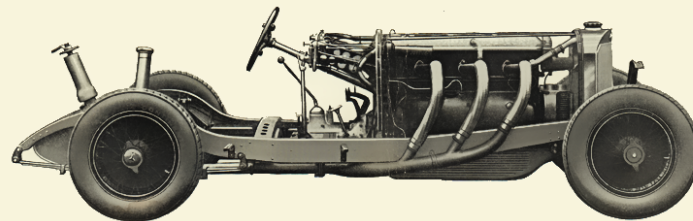
This modification has made it even lighter, faster and more flexible; the short model thus answers particularly the requirements of short races, especially in the mountains. In this vehicle, we are offering the owner-driver a sport car so accomplished that it is impossible to conceive of anything more perfect. It possesses not only an unequalled maximum speed, and amazing acceleration and power, but it is strongly built and as reliable as the best touring model. The dependability of this car meets the most exacting requirements; care and operation are comparatively simple and the cost of maintenance is as low as could be expected.

Basically, the engine of model "SSK" is our approved Six Cylinder Compressor design. The piston displacement is 7100 ccm and the power developed is 140/200 H.P. It features two special carburetors, a more powerful compressor and dual ignition. The sturdy frame has an ideal center of gravity. Left or right hand drive are optional. Four-speed transmission, with center control; special four-wheel brakes of high efficiency and dependability, easy to adjust. Such devices as revolution indicator, speedometer, tele-thermometer, oil gauge on the dash, a lengthened filler tube on the fuel tank, etc., are provided to make driving as comfortable as possible.

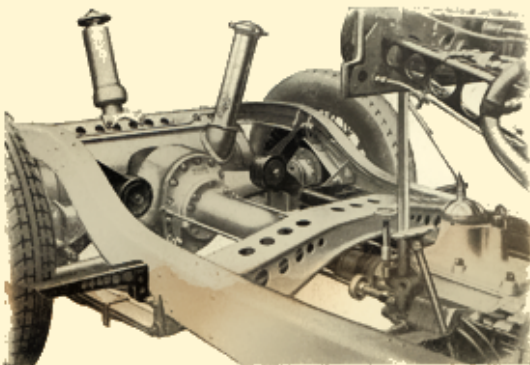
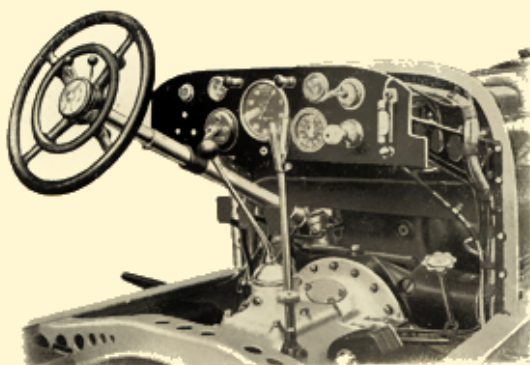
Our model "SSK" because of the shortened chassis will accommodate only two-passenger bodies. Such bodies however are not barred in the sport car class under the latest rules of the international racing regulations. If desired, we can supply high grade bodies of this type, of our own manufacture.



2 seater Sport



Chassis



SPECIFICATIONS OF MERCEDES-BENZ TYPE "SSK" CHASSIS

ENGINE:

Number of cylinders: six, bore 4", stroke 5.9",
R. P. M.: normally 3200. Piston displacement: 7020 ccm (428 cu. in.).
Power: 27 H. P. for taxation purposes, 140 brake H. P., 200 with compressor.
Fuel consumption: 42 litres per 100 miles, oil consumption 1.6 litres per 100 miles.

Engine suspension: Three point.

Crankcase and cylinders: Crankcase lower half of light metal, upper half and cylinders of light metal en bloc, cylinder sleeves of gray casting.

Cylinder head: Gray casting, removable.

Cylinder head cover: Light metal.

Crankshaft: Chrome nickel steel, four bearings.

Pistons: Light metal.

Camshaft: Overhead, operated by crankshaft thru vertical intermediate shaft and helical gears.

Valves: Vertical valve-in-head type.

Compressor: Engaged by depressing accelerator pedal.

Ignition: "Bosch" high tension magneto and battery ignition, two sets of spark plugs and spark control lever on steering wheel.

Carburetor: Mercedes-Benz Double carburetor for super charger operation; adjustable heater in intake manifold.

Cooling system: Honeycomb radiator, slightly pointed; centrifugal pump, fan.

Lubrication: Pressure lubrication with gear pump, distributor and auxiliary fresh oil pump; oil pressure gauge.

Fuel tank: At rear end of frame, capacity 120 litres. Vacuum tank for super charger operation.

CHASSIS:

Total length 167 1/2", length available for body 73",
wheelbase 116", tread 56", maximum width with body 67",
road clearance 5.9", number of passengers: two.

Transmission: Flanged to engine, light metal housing, ball shift lever in center, with lock. Four speeds forward and reverse. Power tire pump.

Clutch: Multiple disc.

Rear end drive: Universal joint, spiral bevel gears with differential gears, torque tube and ball joint.

Rear axle ratios: 1:2.5 - 1:2.76 - 1:3.08.

Springs: Semi-elliptic; lever type shock absorbers.

Steering gear: Left or Right hand drive optional; especially inclined steering column.

Brakes: Internal, especially large brake drums. Pedal operated four-wheel brake, hand brake on rear wheels.

Wheels: Demountable wire wheels with racing locks; spare wheel above fuel tank at rear end.

Tires: 30x5 special equipment.

Instrument board: Speedometer, with mileage recorder revolution indicator, telethermometer, eight-day clock, switch plate, pneumatic fuel gauge, oil pressure gauge.

Electrical equipment: Generator, starter, battery, two headlamps with "Bilux" bulbs, two cowl lamps, tail lamp, Bosch horn (double tone), connection for trouble lamp.

Weight of chassis: 2690 lbs.

Maximum speed: 105 miles (with 1:2.76 gear ratio).

